

Bulletin Celebrates 20th Anniversary Today, August 5!



Credit Union Starts Educational Loans

New Program Gives College Assistance

Y-12's Credit Union has taken a 'giant step' in service to its members. The board of directors of Y-12 Employees Federal Credit Union has approved an Educational Loan Plan, whereby employees who cherish the ideal of higher education for their children, may put those kids in college without undue financial strain.

You don't have to wait until your child starts to college either. You can begin to deposit money in the fund immediately. (One good plan is a regular monthly contribution . . . that, say, ten years from now, would be of sufficient volume to pay needed tuition, board, etc. All shares in an education fund are eligible for regular share dividends.)

The Educational Loan Plan is effective immediately so that members may avail themselves of this new loan program in time to enroll sons or daughters in the Fall Quarter of college which is upcoming in most schools.

Several Plans

There are several plans available under the new program. Disbursements may be made through the school (or schools) upon presentation of a bill in the name of the student . . . or to the bank as a deposit from which amount the pupil(s) draws monthly school expenses . . . or monthly checks payable both to the parent and the student.

"We feel that it is one of the best and soundest programs that can be offered anywhere," the board said in a statement last week. "This plan has been worked out to help many parents who haven't sufficient funds set aside to foot the bills. The youth of this country is our future. We believe in the future . . . and we believe in our youth. Their education is our paramount responsibility."

Education Only

Financial assistance extended under the Educational Loan Program shall be intended to be used for education expenses only. Funds from the credit union for any other purpose will have to be obtained through one of our conventional type loans, advises Y-12's credit union.

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New Air Monitor Is Developed At ORGDP

An improved instrument for detecting uranium dust in the atmosphere has been developed at the Oak Ridge Gaseous Diffusion Plant.

The device, called the Fixed Filter Paper Alpha Air Monitor, can detect a release of uranium materials in the air within a few minutes of its occurrence. The unique instrument was designed to measure any increase in airborne uranium alpha activity above normal background levels. It will detect an extremely small release of alpha activity, in spite of the large amounts of such activity constantly present in the earth's atmosphere. The compact instrument, weighing only 100 pounds, was developed by ORGDP's Instrument Development Department.

Radiation health protection engineers say the new instrument will make a significant contribution in the measurement and control of uranium materials in the working environment.

The monitor continuously draws environmental air through filter paper, causing dust from the atmosphere to slowly build up on the surface of the paper. A scintillation detector, developed by Oak Ridge National Laboratory, monitors the alpha activity on the paper. A visible and an audible alarm will be activated if either the activity level, or the rate of increase of the level, exceeds adjustable present values.

Previously, the usual method of measuring alpha contamination from airborne uranium dust involved drawing a measured volume of air through a filter. The alpha radioactivity remaining on the filter was then measured after allowing an appropriate time for natural atmospheric radioactivity to decay. A time lapse of about five hours was required in collecting and measuring.

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T. E. C. BULLETIN

A NEWSPAPER FOR THE MEN AND WOMEN OF THE CLINTON ENGINEER WORKS—TENNESSEE EASTMAN CORPORATION

Vol. 1, No. 1 Oak Ridge, Tennessee August 5, 1944

T. E. C. Nears Fifth War Loan Goal

GUARDS ATTENTION! 96 PER CENT OF COMPANY'S QUOTA ACHIEVED; SALES REACH \$480,000

With the Fifth War Loan Drive at the Clinton Engineer Works, Tennessee Eastman Corporation, still in progress as we go to press, the goal of \$500,000 is in sight. A feature of the Eastman participation in the Drive was the presentation of \$600 in bonds to holders of lucky stubs drawn from the total accumulation of bond purchases up until July 4. The scene of this event was the front of the Y-12 Cafeteria.

Linda Thomas, age three, daughter of Mr. and Mrs. Wiley Thomas, played the leading lady, as she drew the lucky stubs announcing the bond winners from the wire barrel mechanical mixer.

Following is the list of the bond winners, their prizes and the Divisions in which they are employed: Lillie M. Martin—\$250.00—Supply; Eosma Neal—\$100.00—Production Process; Roscoe Reid—\$50.00—Chemical; George C. Warlick, Jr.—\$50.00—Personnel; Karl M. Truffer—\$25.00—Production Process; G. A. Strasser—\$25.00—Chemical; S. L. Williamson—\$25.00—Operating Services; C. H. Jarvis—\$25.00—Process Service; R. F. Taylor—\$25.00—Production Process; Louis F. Mayer—\$25.00—Electrical.

Consistent departmental solicitation for pay roll deductions, both new and future increases, is now going forward at the urgent request of Mr. James Ellis, Deputy Works Manager. The goal for this pay roll deduction drive is at least 90 per cent of the entire employee roll call.

Tennessee Eastman's part in the nation-wide drive for the sale of \$10,000,000,000 in the Fifth War Loan bond campaign was first announced in a letter sent out to all employees. The drive for cash bond sales so far has netted over \$200,000 in extra bonds bought by the employees.

The Employees Guide Book, a timely manual concerning you and your Company, will be distributed to each employee in about two weeks. The booklet will be pocket-size, of smart style, and attractively illustrated throughout.

It is believed that it will be of great help in answering many questions regarding the history of the organization, the work hours and how you are paid, tax deductions, vacations, Company policies, Health Association, insurance and numerous other topics.

Perfect Attendance Record

The Platoon pictured here is considered one of the finest drill units on the Area. Sergeant George McPherson may well feel proud of the discipline and precision of his men in action.

THIS IS WHAT THE BULLETIN looked like its first time out. This is a section of Volume 1, Number 1. Mrs. Lula Belle Justice's picture was on the front page . . . because of her good attendance record. Mrs. Justice, Mail Department, is still in Y-12, still proud of her attendance record. She is featured in a story elsewhere in this issue.

It Happened 20 Years Ago!

It happened 20 years ago! Fran Tench vacationed in the Rochester, New York area. The Girls' Club planned a formal dance on the Townsite Tennis Courts, after meeting at the S&W in Knoxville.



A JOINT DEVELOPMENT, "Method and Apparatus for Measuring Contours," brought W. W. Lee Jr., left, and Wayne Amsbury, right, patent applications recently. The congratulatory letter accompanied by the customary one dollar is presented to them by L. E. Burkhart, department superintendent. Lee and Amsbury are in Laboratory Development.

Y-12 Was Young Plant When Newspaper Was First Issued

Today, August 5, 1964, is a special day for the Y-12 Bulletin. It was to-the-day 20 years ago that the paper first hit the plant. As the saying goes 'a lot of water has gone over the dam' since then.

What was it like 20 years ago! An attempt has been made to reconstruct some of the scenes from the early days.

Where were you 20 years ago, and what were you doing?

The European invasion was less than two months old. The Normandy towns of Bayeux, Carentan, Cherbourg, Caen and Falaise were already in Allied hands. The Axis powers lost from 12 to 14 divisions in the first days of fighting, as the mighty "Fortress Europa" began to crumble. Lt. Gen. George Patton had just begun his 3rd army's famous trek across middle Europe.

Do You Remember?

The best movie of the year was "Going My Way" . . . and Bing Crosby took the Academy Award for his priestly role. Ingrid Bergman played a frightened housewife in "Gaslight." A thin, young singer was making history singing "I'll Never Smile Again," by name . . . Frank Sinatra. The big bands were still items then . . .

the Dorseys, Glen Miller, and others. Another up-and-coming singer, Perry Como was heard singing "Temptation." America was bracing for a political battle between Franklin D. Roosevelt and Thomas E. Dewey.

Y-12 was a young plant August 5, 1944 . . . bustling with people. Oak Ridge was a sight then, described by a veteran newsman as something like a western boomtown in the late 80's! Trailers, temporary shelters, and what-have-you dotted the crowded landscape. The wilds of Wheat, Scarboro, Elza and Robertsville were giving way to the raw, boom-town atmosphere that old-

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SAFETY SCOREBOARD

The Y-12 Plant Has Operated 79 Days Or 2,450,000 Man-Hours (Unofficial Estimate) Without A Disabling Injury Through August 2 Phone 7755 For Daily Report On Accident-Free Hours

The Bulletin

Published Weekly For The
Y-12 Employees Of
UNION CARBIDE
CORPORATION



NUCLEAR DIVISION

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WEDDINGS



Mrs. Luther Allin Stephens Jr.
STEPHENS—RUSSELL

Mr. and Mrs. Luther Allin Stephens Jr. were united in marriage in rites held Saturday, July 25, at 4:30 p.m. The ceremony took place at the First Baptist Church, Shelbyville, Tennessee, with the Reverend James Singleton officiating.

The bride, the former Sarah Lee Russell, is the daughter of Mr. and Mrs. Charles Dean Russell, Shelbyville. The groom is the son of Mr. and Mrs. Luther A. Stephens, 109 Greenbrier Drive, Knoxville.

The groom is employed in Y-12's Engineering Mechanics, and his father is over Production Analysis.

Special nuptial music was provided by Mrs. Vernon Redd, organist, and Miss Ann Sanders, vocalist.

The bride chose as her attendants Mrs. Valona Aspy, matron-of-honor; and Miss Susan Stephens, maid-of-honor. Bridesmaids were Misses Rosemarie Bobo, Janice Eagleton, Helen Wilmoth and Brenda Stooksbury. She was given in marriage by her father.

Mr. Stephens chose his father as his best man. Ushers were R. M. Browning, R. F. Adkinson, L. D. Dunlap, and C. D. Russell Jr., brother of the bride.

A reception honored the couple immediately following the ceremony at the church.

The couple will reside in Knoxville. Mr. Stephens enrolls in the University of Tennessee this fall. His bride is a graduate of UT and will teach at the Bearden Elementary School.



For two weeks we've been asking everyone "What were you doing 20 years ago today?" . . . hoping they would ask us the same. Since nobody asked, and apparently nobody is going to ask we'll tell anyway. In the Tideland section of Virginia once stood a desolate, God-forsaken swamp.

The United States Navy preferred to call it Camp Perry. Others had other names for it. Your editor spent August 5, 1944, at such a place in rather peculiar circumstances . . . without any clothes on all day long! That was the day we got examined. All we wore for eight hours was a red number painted on our chest with mercurochrome.

Now that that's off our chest, let's see what goes in Y-12 . . . first in

SHIFT SUPERINTENDENTS AND UTILITIES

Folks are glad to see G. R. Beasley back after his long absences with an injury.

Condolences to the S. F. Creigh family in the death of his brother in Texas.

Vacationing New Orleans style is J. R. DeMonbrun.

Other vacationers include N. W. Evans, Bill Everett (campaigning, more than likely), G. M. Martin, M. G. Crouch, and L. Walker.

A teen-ager told us the other day that the Beatles grow on you . . . but then so do warts!

INDUSTRIAL RELATIONS

Fire and Guard folk say that J. F. Bruce and H. J. Gregory vacation this week in parts unknown . . . Ditto M. L. Sullivan and C. S. Waldroop.

D. H. Patterson planned to go to Memphis . . . and E. J. Kendrick is experiencing the joys of farming.

Plant Protection's Liz Campbell has disappeared for a vacation, it seems.

The quickest way we know to get a lot of undivided attention is to make a mistake!

FABRICATION

Tool Grinding grinds out that Gregory Alan Whitten, Dyer, Indiana is visiting his grandparents . . . the C. B. Clifts.



Gregory Whitten

And here's a picture of the fine one-year old . . . that gramps is taking a week's vacation to visit with.

Recent vacationers include W. Chambers and W. L. Kautz . . . J. E. Bledsoe took to North Carolina for his favorite vacation spot. F. Foust didn't reveal his. Machine Maintenance folks ex-

tend deepest sympathy to O. R. Garmon whose father died recently.

Herb Newman and the missus went to Niagara Falls on a vacation . . . maybe a second honeymoon.

To McMinnville for a few days went M. L. Crawford . . . H. L. Menchhofer slipped off for two weeks, but didn't say where. Jay Coates chose Daytona, Florida for his vacation spot this year . . . as did K. G. Kahl.

J. R. Milligan took off a few days to move but will still be living in the good community of Powell. Other vacationers are C. M. Lane, R. F. Long, B. E. Lunsford, and S. L. Newton.

Advice is a commodity in which supply always runs ahead of demand.

MATERIALS & SERVICES

Stores says that Paul Snodgrass and family vacationed in Virginia and Washington, D. C.

Clem Jones and his wife spent a vacation in Jacksonville, Florida.

Some women are real economical. They will use 30 candles on their 40th birthday.

TECHNICAL SERVICES

Technical Reports reports a new boy in for the Fred Clarks . . . he arrived last Thursday, July 30.

The Laboratory has Mary K. Householder spending a vacation at her native grounds in Pidgeon Forge . . . C. B. Burnette's wife Maude is recovering nicely from surgery at St. Mary's Hospital, Knoxville.

Doyle Martin, Ed Creech and Carl Neff fished at Melton Hill recently. They caught a small-mouth bass (Creech) that one week ago had been snagged by another of the trio (Doyle). To everyone's surprise Martin's spoon and line were still in the fish's mouth. He got his gear back . . . but Creech kept the fish. (Sounds like a likely story to us!)

Mona Rollins and husband Tom attended the Outdoor Writers Association of America convention in McAllen, Texas, with side trips to Padre Island and Monterey, Mexico. Tom was elected assistant secretary and won a prize for catching a 14 pound shark.

Visiting homefolks was Daisy Ward's daughter Hope, bringing from New York little Eda, so that grand-ma could spoil her, but good. Daisy says she spent the entire two weeks teaching the one-year old to say "Mama Daisy."

Best wishes to Stan Cole's wife, Becky, who is in Knoxville Hospital.

Radiation Safety has Merwyn Sanders vacationing somewhere on Watts Bar Lake. Bob Rutherford chose Gatlinburg and a stay-at-home vacation in Clinton.

The hardest thing about making money last is making it first.

DEVELOPMENT

The Bulletin office had a pleasant telephone call last week. Frank Lambert, Metallurgical Development, called, wanting to



A SHIFTERS are seen with their best 'boarding-house reach' at their picnic Wednesday, July 29. They chose Cove Lake Park and chose a bad day, too. They all reported having a good time despite the torrents of rain that fell. A little dampness never gets a Y-12er at a picnic!

acknowledge all the letters, cards and notes mailed to him at the Scott County Hospital, Oneida. Frank says he's feeling pretty good, although in traction . . . with a broken arm and smashed thigh. Doesn't know when he's going to get back to these parts . . . says doctors tell you nothing. He was highly appreciative of all the kind thoughts that had been sent his way.

No matter how busy we are, we're never too busy to stop and talk about how busy we are.

MAINTENANCE

W. L. Bohanan, Process Maintenance, will motor down to Griffin, Georgia on vacation . . . but plans to return in time to vote in tomorrow's elections.

ENGINEERING

Tool Engineering has vacationers crossing paths again . . . Just back from two weeks in Daytona are Bill Horner and family . . . Wayne Collette returns from a week of just relaxing around home . . . Mary Broders also returns with some of that Florida tan . . . The last two weeks have found Howard Covington and family traveling to Detroit and Washington . . . Another traveler returns . . . B. H. Robbins and family who journeyed to Paducah and then on to Arkansas.

Tool Engineering has bid farewell to G. W. Martin and J. L. Bassett, both transferred to ORGDP.

Tell Credit Union The Truth Always

Falsifying records to obtain a loan from a Credit Union is now a Federal offense. The new Federal statute became law on July 2, 1964.

Section 1014 of Title 18 of the Act makes it a Federal crime for anyone knowingly to make a false statement or report, or to willfully overvalue any land, property, or security, for the purpose of influencing in any way the action of a Federal credit union on any application, advance, discount, purchase, purchase agreement, commitment, or loan, or any change or extension of any of the same, by renewal, deferment of action or otherwise, or the acceptance, release, or substitution of security therefor.

Falling under the same act is forging a comaker's signature on a note. It is a Federal crime to make false statements as to ownership or value of property offered as security for a loan, and false statements as to the purpose of the loan.

Persons convicted under the crimes mentioned in Section 1014 shall be fined not more than \$5,000 or imprisoned for not more than two years, or both.

EMERSON ADVICE

"Write it in your heart that every day is the best day in the year." Ralph Waldo Emerson.



NEWSPAPER HEADS SUCH AS THE ABOVE rocked Y-12ers on that fateful day in August, 1945. The Bulletin got in on the world's biggest news story of the century . . . announcing the dawn of a new age. The Knoxville Journal above sold for one dollar a copy. Reports are that one man sold 1,600 copies in an hour at one of the portals. The extra, along with the other papers are now relics in the Bulletin's archives. Where were you 20 years ago?

Lula Belle Justice, Mail Department, Is Still Proud Of Her Attendance Record

Veteran Y-12er Was Featured On Front Page Of Volume 1, Number 1 Issue Of Bulletin

6-12-160

The first edition of the Bulletin carried a front-page story on Mrs. Lula Bell Justice and her perfect attendance record.

Mrs. Justice is still in Y-12 . . . still driving an automobile. She was a chauffeurette in those days . . . and is today known throughout the plant, carrying mail to every stop in the place.

A native of the "reservation" area she was born here, and attended the Robertsville High School.

She and her husband Andie lost three farms in August of 1942 when government surveyors moved into the area. (The Justices were married February 10, 1922 on the front porch of the Cross home . . . which is now being razed. It stands next to the Grove Theatre in Oak Ridge.)

Knew Area Well

Through all the mud and dust of the early years, Mrs. Justice made train schedules and met planes. "I knew the area because I was raised here," she said. "Some of the chauffeurs got lost everytime they started anywhere . . . lost or stuck," she chuckled.

The Justices were living on one of their three farms when the evacuation order came. (Their home was located near what is now the Cross Roads Tavern.) They still live on a farm . . . 190 acres of it . . . at Route 3, Oliver

Springs. They have white-faced cattle, ponies and quarter horses.

Kids Love Farm

Two daughters make up the Justice family . . . a daughter Pansy at home . . . and Mrs. R. W. Holmberg, Oak Ridge. Mrs. Holmberg has three children: Nancy, 12, Douglas, nine and Connie seven. The grand-kids ride and show horses . . . and, naturally, spend a good deal of time at the farm.

Mrs. Justice's attendance record is still a matter of pride with her. Only minor illnesses have kept her away during her 21-years plus as a Y-12er. "I was late nine minutes once because of snow and ice, and that was because I was in a carpool. If I had been driving, I would have left home earlier," she stated.

Mrs. Justice's husband drives a school bus for the Anderson County School system. "There's a corner of Oliver Springs in An-



Lula Belle Justice

derson County," she said, "and kids from the area have to attend Clinton High School. Andie drives the bus that hauls them up there."

Mrs. Justice was Lula Belle Jett before her marriage. She belongs to this area as much as the mountains and creeks. "I never wanted to live any place else," she mused.

"This is the only job I ever had," she smiled. "Y-12 hasn't changed too much. The mud and dust are gone . . . but the people are the same . . . good, hard-working, friendly people. I enjoy my daily contacts."

The big issue of the daily newspapers . . . after Hiroshima . . . featured Mrs. Justice also.

Bulletin's Biggest Story Came Only One Year After Its Creation

The Bulletin was a scant year old when it was called on to break its biggest story. Newsmen the world over reached for what they irreverently refer to as the "second-coming" headlines. For the Bulletin's biggest story was also the world's.

President Truman's official statement called it "a harnessing of the basic power of the universe." Newspapers sold for a dollar a copy at the portals, and for the first time many Y-12ers knew what was going on.

"We have spent \$2,000,000,000 on the greatest scientific gamble in history and won," the President's statement went on.

Among The Archives

Among the archives of the Bulletin are several prized possessions . . . a copy of the Knoxville Journal that sold for a dollar a copy . . . the press releases issued by the Manhattan Project . . . an August, 1945 copy of Life Magazine . . . a comic book-type description of the atomic bomb.

"You members of the press are the first to enter the project without formal clearance by the Military Intelligence," Colonel K. D. Nichols' message read. Also attached were general information items on the facilities available in Oak Ridge.

Interesting sidelights of the in-

formation showed a population of near 75,000 . . . living in dormitories, houses, apartments, huts, trailers, and construction workers' barracks.

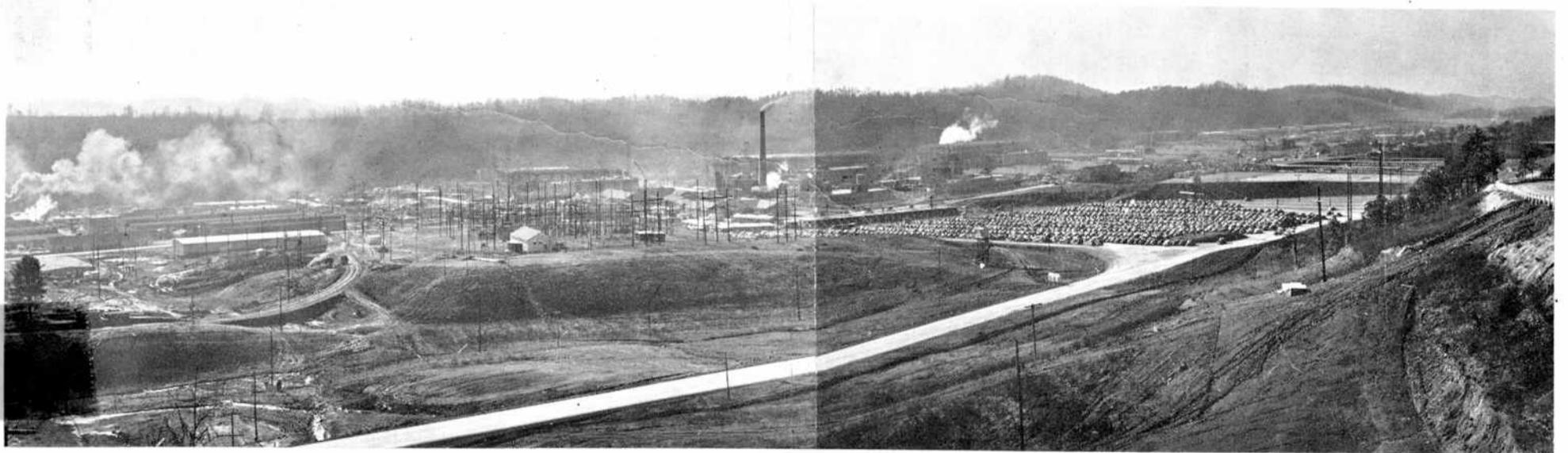
Combined Efforts

Another of the releases contains a "well done" from Secretary of War Robert P. Patterson. "You have played a leading role in what our great war leader, Secretary Stimson, described as the "greatest achievement of the combined efforts of science, industry, labor and the military in all history." This was not achieved by regimentation but by voluntary cooperation. Labor gave its utmost without asking to be told the purpose of the work. Industry gave its skill and "know-how" without patent rights or profits. Scientists gave their knowledge without hope of reward. All gave themselves; unselfishly to this most difficult exploit, because their country called, and at the same time maintained a secrecy that made success possible."

So it was, 19 years ago . . . Y-12's most newsworthy hour . . . and perhaps the world's, too.

BIG CAPITOL

The United States Capitol building has 435 rooms, making it one of the world's largest public buildings.



Y-12 IS SEEN AS IT LOOKED 20 years ago. Note the wide parking lot east of North Portal, which stands on what is now Building 9207 (Biology). The mud and grime can be seen everywhere. Bear Creek Road was

not paved then! Actually, the photo was made in early 1944 . . . months before the Bulletin ever hit the presses. The early March mists can be seen rising above Pole Cat Ridge . . . and the trees are just be-

ginning to bud in the long-ago photograph. The kudzu hasn't been planted on Reservoir Hill yet either! With a magnifying glass, old-timers might be able to find their jalopies!



MORE EARLY NEWSMEN ON THE BULLETIN staff from years past are George W. Dobbs, retired, left; and Carroll Stewart, the first editor of the Bulletin. Stewart is now deceased.

George Whipple Served Longest As Editor Of Bulletin; Enjoyed Every Single Issue

Retired Dobbs In Florida On Annual Trek To Tropics For Relaxation

"Only the good die young," was the crisp comment of George Whipple Dobbs, former editor of the Bulletin, now retired. He was interviewed recently and asked the reasons for his longevity. The former editor came to Y-12 July, 1945, after putting 30 years in various capacities on leading daily papers in Jacksonville, Florida, Nashville, and Atlanta. He retired March 31, 1961, giving him "46 years before the mast-head," as he describes his career.

"I don't know of any job I ever had that I enjoyed as much as the one there. During the nearly 16 years as a Y-12er I met many, many fine folks whose friendship I always will cherish," he mused during the interview at his home in the Fountain City section of Knoxville.

"Hobbies are for the birds," he continued. "I find plenty to do around the 'Dobbs-Desert' to keep me busy — and am really learning the meaning of the 'honey-do' retirement. I am most thankful for being in pretty good health and, as they say down in

Georgia, 'I'm as happy as a mule eating briars.'"

The veteran editor is proud of the years he 'put out the paper.' He was also quick to praise the numerous fine aides who assisted him. They included Jean Stevens, who was assistant editor of the Bulletin under the late Carroll Stewart when Dobbs first came to Y-12, John Farris, Bob Burgin, Dan Culp and Esther Moody.

The Dobbs interview was a hastily-arranged affair as the couple was frantically packing for their annual trek to Daytona Beach, Florida-fans, both of them, they always seek the sunny clime of the Daytona area as a vacation spot.

Mrs. Cornelia (Connie) Dobbs, George's spouse, is a teacher in the Inskip School, Knoxville. She is known to many Y-12ers (Dobbs says they all admire her for putting up with him for many years of married life).

POOR RICHARD'S ADVICE

"To lengthen thy life, lessen thy meals." B. Franklin, 1733.



THE DOBBSES — CONNIE AND GEORGE — are seen relaxing at their Fountain City home just prior to their annual trek south this summer. The veteran newsman Dobbs served on the Bulletin for more than 15 years.

First Issue Outlined Purpose Of Bulletin

Tenets Of 1st Edition Are Still Applicable

(EDITOR'S NOTE: Volume 1, No. 1, issue of the Bulletin carried the following editorial. We believe, except for the reference of 'winning the war', it is still appropos. "Getting the job done" may be substituted for that sentence. The operating company, Tennessee Eastman, of course, has been dropped from the editorial.)

"This is the Y-12 Bulletin. We who have put it together hope that you will read it, have faith in it, and contribute to it. We hope, with your help, to make it a good newspaper — one that will feel its responsibilities and accept them. We want to hear from you; hear what you believe that this weekly newspaper should stand for.

"This is how we feel about it:

"We believe that during the war, when each of us is dedicating ourselves and time and effort to winning the war, the Bulletin, too, should devote itself entirely to that cause.

"We believe that the function of this weekly publication is to bring all of the Y-12 employees closer together.

"We believe that the Bulletin is the best medium for introducing the workers of Y-12 to each other, to their work, and to its importance.

"We believe that the Bulletin should be of, by and for employees; and that all of the men and women in the organization should feel that they or their representatives can be heard.

"We believe in campaigning for the things that will raise morale. (In raising morale production will raise itself.)

"We believe that our part in the war should be emphasized so that all of us may be more conscious of the great value of the work being done here, and of the thought and care that we put in our work.

"We believe in boosting sports, clubs, dances, musical groups, and all activities that will bring us closer together."

(Further Editor's Note: With two decades behind us, We Believe, too!)

Electricity From Atom Is AEC Forecast

By 1980 it is estimated that the United States will obtain more electricity from the atom than from all the nation's dams combined. Backing up the Atomic Energy Commission's forecast are 12 nuclear power plants now supplying electricity to American homes . . . with at least 25 planned by 1970.

A simple matter of economics explains the rush to the atom. For instance, in New England, fuel costs run as high as 0.4 cents per kilowatt-hour where coal, oil or gas costs are high. By contrast, modern nuclear plans can shave this cost to about 0.24 cents per kilowatt-hour.

Oldest Active Engine Is Civil War 'General'

The General, famed Civil War steam engine, is the oldest active engine in the world. Stolen by Union forces in a daring raid into Georgia in 1862, the General was retaken by Confederate forces. It now belongs to the Louisville and Nashville Railroad and is housed as a relic in Chattanooga. Last summer the General was displayed locally.



JIM SEAT, NEWS EDITOR, helped get together the first Y-12 Bulletin exactly 20 years ago today. Seat is now editor of the TEC News, Tennessee Eastman, Kingsport.

Jim Seat, Co-Founder Of Bulletin, Still Edits Plant Paper For Tennessee Eastman

Local Newsmen Vividly Remembers Old Days In Y-12 With The Late Carroll Stewart

Assisting in forming the first Bulletin was James A Seat, now editor of the T.E.C. News, Kingsport.

Seat, a native of Memphis, came to Y-12 as news editor of the Bulletin . . . with the late Carroll G. Stewart Jr. as managing editor. He transferred to Kingsport later, relinquishing the editorial post to George W. Dobbs.

Newsman Seat had formerly worked with the Knoxville Journal, as assistant news editor. He is a member of St. Paul's Episcopal Church, Kingsport. A charter member of Appalachian Industrial Editors Association, Seat attended the University of Tennessee.

The editor of TEC News has two sons, James G., at the University of Tennessee in Electrical Engineering (as a 'chip off the old-block' he also holds a degree in journalism from UT) and Hoyle C., a student at Virginia Polytechnic Institute, studying political science.

(T.E.C., of course, stands for Tennessee Eastman Corporation, the first operators of Y-12.)

Seat is chairman of the Wa-

tauga Regional Library Board, has been active in library-work and juvenile courts. He is a past chairman of the Sullivan County Library Board and a past chairman of the Kingsport Juvenile Court Advisory Board.

Still editing 20 years later, Seat calls his Y-12 years, the 'hectic days.' Y-12ers who were here on August 5, 1944, can verify the description of those days. They were 'hectic!'

Words 'Under God' Not In Original Pledge

"I pledge allegiance to the flag of the United States of America and to the republic for which it stands, one nation under God, indivisible, with liberty and justice for all," . . . the pledge to the flag was written by Francis Bellamy, born in 1855 in Mount Morris, New York. The phrase "under God" has been added since World War II.

CHIP OFF OLD BLOCK

Parents who thought nothing of walking several miles to school have children who don't think much of it either.



WHEN EMMA PUCKETT, Plant Records, was in Hawaii recently on a vacation, she sent all the girls back home a living lei. The colorful flowers arrived . . . one for each . . . in perfect shape . . . orchids, birds-of-paradise, and other exotic flowers from the Pacific. Here, Plant Records sport their Hawaiian flowers. It's almost as if you can hear "Aloha," come again—isn't it?



THE BEANBALLS AND THE LUCKY TEN are two Y-12 teams in the Slo Pitch League . . . now finished. A double elimination tournament started this week, however, to keep action alive a few more weeks. In the top photo are the Beanballs—seated on the front row from left are Claude Reynolds, John Peters, Leon Hensley, Clinton Martin, B. E. Rowland, Manager J. E. Gadd, and Ray Rector. (That's batboy John Gass in front). In the back row are S. R. Currin, J. J. Sewell, R. B. Johnston and T. Scott. In the lower photo are the Lucky Ten men—in the front row are L. E. Pate, W. L. Watkins, A. Collins, Manager Herman Horton, Ed and Joe Blanton. In the rear are Jerry Scruggs, mascot; John Holt, M. L. Dunlap, W. L. Perry, C. R. Anderson, Larry Hodgson and J. A. Lewis.

Sam Campbell Is Tennis's No. 1!

League - leader Sam Campbell downed another worthy opponent in the Tennis League last week. He took the undisputed crown for the first half of play by defeating John Pridgeon 6-2, 6-2.

Other matches saw Bill Akers over Campbell King 6-1, 6-1 . . . and John Jones over Bob Bass 6-1, 7-5.

Final standings follow:

Player	W	L
Sam Campbell	11	0
Bill Akers	8	1
J. A. Jones	8	3
Ralph Levey	8	3
Al Christman	7	4
Campbell King	6	5
John Pridgeon	5	5
Al Fischer	3	6
Bob Bass	2	8
Ron Williams	2	9
Ed Del Grande	1	9
Roy Huddleston	0	10

The second half of the league started this week. Future standings will be in that section of the league.

KIPLING ON ECONOMY

"All the money in the world is no use to a man or his country if he spends it as fast as he makes it. All he has left is his bills and the reputation for being a fool." Rudyard Kipling.

Atoms Split Double-Header Ending Slo Pitch Season

The Slo Pitch League wrote 'finis' across the record for the 1964 summer last week. The Atoms split a double-header . . . losing number one to the Eagles 16 to 11 . . . and winning number two at the expense of the Teds 14 to 9.

Evans clobbered two homers; Reber and Koon one each for the Winning Eagles . . . as Daws and Myers did so for the losers. Pitcher Cothron gave up 18 hits . . . while Bell and Hulseby surrendered 15 to the Atoms.

In the Atoms-Ted conflict . . . Cavosie and Mustin homered for the Atoms and Fogg got two for the Teds. Hits were about even . . . with the Atoms claiming 18 and the Teds 16.

The final game of the season went by way of forfeit as the Cherokees failed to show up . . .

giving the Bat Boys an automatic win.

Tournament play began Monday in the double elimination play. It is expected to last through August.

Final standings follow:

Team	W	L
Mets, ORGDP	12	1
Peons	11	2
Eagles	10	3
Rebs	9	4
Atoms	8	5
Teds	7	6
Gophers	7	6
Bat Boys	7	6
Big Shops	6	7
Bean Balls	5	8
Reagents	5	8
Lucky Ten	2	11
K-25 Instruments, ORGDP	2	11
Cherokees	0	13



20 Years Ago!

It happened 20 years ago! Jokes were just as stale and corny then as now. For instances:

"Betty, has Bill ever kissed you against your will?"

"No, but he thinks he has."

OR

Betty: "What do you miss most, now that you are married and settled down?"

Sally: "My husband, the big bum."

ARCHITECT'S FEE

The White House was designed by James Hoban, an Irish-born architect, in a competition which paid \$500 as a prize.

Tee-Off and Golf Cart Application

GATLINBURG GOLF TOURNAMENT

Saturday, August 22, 1964

Foursome

_____, Leader

If your foursome does not draw carts, do you wish to have a tee-off time drawn? Yes No

Tee-Off Time Preferred _____

Leader's phone: Home _____ Plant _____

Fill in completely and return to the Recreation Office, Building 9704-2. Drawing for carts and tee-off times will be Wednesday, 10:30 a.m., August 19, 1964.

Beautiful Gatlinburg Course Is Site Of August Golf Meet

Traditionally, Y-12 golfers head for the beautiful Gatlinburg Country Club for the final tournament of the year. This year is no exception. The greens there beckon again, come Saturday, August 22.

A tee-off application is below. If you plan to play then, get your foursome up. The Club is allotting 26 carts for this tournament, at a cost of \$3.50 per person. The electric carts will be assigned to 13 foursomes, drawn as tee-off times are, two to each foursome. Tee-off times with carts begin

at 6:45 a.m., every 10 minutes until 8:45 a.m. Non-cart tee-off will be after that time, every seven minutes until 11:26 a.m.

Clip the attached coupon and send to Recreation now. Another one will run in next week's Bulletin . . . but it might be wise to get your name in the hat early.

Many families of Y-12ers make a happy summer week-end of the Gatlinburg tournament by going up to spend the week-end in the resort area. There's a lot to do there . . . and a world of beauty to behold.



Phillipi's Auto Takes Rodeo Dip

The B Shift fishing rodeo back in the Spring got a little more excitement than was bargained for! This story recently came to light on R. S. Phillipi, H-1 Foundry.

The Blue Springs rodeo went along with few hitches . . . except for the wind and rough water.

Phillipi, upon leaving, pulled his car down the ramp and connected his boat and trailer to it. Pulling up the ramp with his loaded car . . . his engine failed, and then out went his brakes. Back into the water went the trailer and boat. Quick-thinking by the friend released the boat from the trailer, and it floated out of the way. But the car went under the deep blue.

PHILLIPI'S car flips into Watts Bar Lake at B Shift's fishing rodeo held in the Spring. These recently revealed pictures show some interesting things that can and do happen at lake outings. The above car is back on dry land now and running fine!

Phillipi rolled the car window down and waded ashore, safe but very wet. With the help of teammates at the rodeo and a tractor the car was pulled from the lake . . . undamaged though slightly soaked!

Accidents Take High Toll In Pre-School Age

Accidents are a major threat to the lives of preschool children in the United States, according to the Metropolitan Life Insurance Company. About 5,000 youngsters are accidentally killed each year, which is almost 30 percent of the entire mortality of children aged one to four. At those ages, more of our young ones die from accidents than from pneumonia, leukemia, measles, scarlet fever, whooping cough, diphtheria and polio combined, the statisticians note.

Patriotism goes deeper than flag-waving.

U.S.-Canadian Border Is Long And Undefended

The United States-Canadian border is the longest undefended border between two countries in the world.

Other nations in learning how to get along with other people might do well to consider these friendly neighbors. The imaginary line snakes through some 4,000 miles of towns, villages, rivers, lakes, even houses and places of business. At Rock Island on the Tomifobia River, between Quebec and Vermont, the office of the library is in one country . . . and the books in another!

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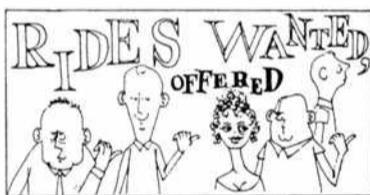
ENGAGEMENTS

DIXON—HISER

Mr. and Mrs. Bliss C. Dixon, 121 Quincy Avenue, Oak Ridge, announce the engagement of their daughter Miss Charlene Dixon to Mr. Edward M. Hiser, Higginsport, Ohio. Miss Dixon's father is in Y-12's Dimensional Inspection. The prospective bride will graduate this month from East Tennessee State University. She is a member of the Sigma Kappa Sorority, named an Army ROTC Sponsor, a member of the Band and the B.S.U.

The future groom is a June graduate of East Tennessee State University. He holds a BS degree in Industrial Education, and is a member of Mu Delta Kappa fraternity.

The wedding is planned for Sunday, August 23, at 3 p.m. at the Robertsville Baptist Church, Oak Ridge.



Ride wanted or will join car pool from East Village, Arrowood Road, to North or Central Portal, straight day. H. A. Pohto, plant phone 7777, home phone Oak Ridge 483-1620.

Rider wanted from Cedar Lane area, Fountain City, to North Portal, straight day. W. O. Chandler, plant phone 7-8922, home phone Knoxville 687-1526.

Would like to share expenses to Oklahoma City, Oklahoma on August 21. George Randall, plant phone 7-8976.

Credit Union

Continued from Page 1
 Credit Union Group Life Insurance will provide coverage on one or more loans for a total not to exceed \$10,000.

Loan agreement forms are now available at the Credit Union office. The hours are from 9 a.m. until 5:15 p.m. each week-day. Professional financial council is available . . . be it for educational purposes or otherwise.

Since service is the sole reason for the member-owned Credit Union's existence, the extension of further service is second-nature.

As usual, all loans or counseling are strictly confidential. Your business and the Credit Union's business are closed books.

Staff members of Y-12's Credit Union will be happy to discuss the new Educational Loan Plan with you today.

Bulletin's 20th Birthday

Continued from Page 1
 timers still talk about. **Strict Security**

Very few knew what was going on in Y-12. Tight security regulations, even as now, forbade any discussion of work, so Y-12ers talked about the mud, the war, the shortages, the lines in town (a non-drinker, non-smoker we know got in line for what she thought was nylons . . . it turned out the line was for beer and cigarettes!), letters from the front, and lack of housing.

Entertainment and recreation were hap-hazard at best in those days. There were "Rec" halls, crowded movie theatres, baseball games, a skating rink, swimming pool, square dancing and the radio. In Y-12 picnics were the big thing, even as today. Valley View Beach (now a part of the Bull Run Steam Plant) . . . and other nearby places offered Y-12ers respite from the stifling August heat. "Cokes" were scarce, as was everything else.

Gripes were few, however, in those 'hardship' days. People knew they had a job to do . . . even as all America had.

Good Old Trailers

Trailer buses offered shopping expeditions into Knoxville. In the summer, they were crowded and hot . . . in the winter crowded and cold.

As the Bulletin moves out of its teens and comes 'of age,' it was deemed right and just to muse into the past a little. Lest we forget the pioneers of 20 years ago and earlier, this edition is dedicated to those who preceeded us here. Many of them are still around, proud of their part in making Y-12 what it is today . . . proud of the plant's contribution to the war effort, and proud of its continuing efforts toward peaceful applications.

Every Y-12er is interdependent on every other man in the plant.



Seven Y-12ers celebrate 20th anniversaries this week, corresponding with the Bulletin's birthday. Another score celebrate other important milestones. Congratulations.

20 YEARS

Marion C. Gore, Electrical Department, August 7.

Allie A. Baer, Uranium Chemistry, August 7.

Charles R. Lively, Guard Department, August 8.

Archie P. Hooker, Research Services, August 8.

William T. Bradshaw, Buildings, Grounds and Maintenance Shops, August 10.

Mattie B. May, Uranium Chemistry, August 10.

Morris Bailis, Research Services, August 11.

15 YEARS

Edgar Collier, General Expediting and Auxiliary Services, August 9.

10 YEARS

Paul W. Cofer Jr., Process Maintenance, August 5.

Lloyd G. Fears, Beta Four Forming, August 6.

Kenneth E. Tilley, Machine Maintenance, August 6.

Billie E. Rowland, Dimensional Inspection, August 9.

Theodore R. Keirn, Process Maintenance, August 9.

William C. King, General Weld Shop, August 9.

Lawrence G. Losh, Physical Testing, August 9.

Clarence E. Tilley, Assembly Operations, August 10.

Zollie E. Kidwell, Stores Department, August 10.

Paul Peterson, H-2 and F Area Shops, August 10.

J. E. Cheek, Radiation Safety, August 10.

Y-12er Son Picks Cumberland College



Shayne N. Sullivan

Mr. and Mrs. M. L. Sullivan, 112 Tilden Road, Oak Ridge, saw their son off recently to Cumberland College, Williamsburg, Kentucky. Shayne N. Sullivan, a 1964 graduate of Oak Ridge High School, plans to major in math at the southeastern Kentucky school.

Young Sullivan's father is in Y-12's Guard Department.

ON GIVING

"You give but little when you give of your possessions. It is when you give of yourself that you truly give." Gibran

Do you know the plant's emergency procedures?



ERNEST EARLEY, center, is seen in the role which brought him the Malcolm Miller Memorial Award . . . the equivalent to an "Oscar" in local acting circles. The award is named for the late critic of the Knoxville Journal. (6-12150)

The Knoxville Journal
Independently Owned and Operated

presents

The Malcolm Miller Memorial Award

to
Ernest Earley
Best Amateur Actor
Lt. Poole in 'Blood, Sweat and Stanley Poole'

in recognition of a significant contribution
 to the Performing Arts in this Season of
 1963-4

Walter Morse
 Music and Drama Critic

Gayle J. Moore
 Editor, The Knoxville Journal

Ernest Earley Caps Coveted Acting Award For Comedy Efforts As Lt. Stanley Poole

Named Best Amateur Actor In Region For Spoof On Military Life In Last Winter Production

Y-12er Ernest Earley has captured what amounts to the local Oscar or Emmy in local theatre circles. He was recently awarded the Malcolm Miller Award for the best amateur performance in theatrics in this area.

The comic role of Stanley Poole in the military hit "Blood, Sweat and Stanley Poole" which was given by the Oak Ridge Playhouse in late November and early December last year, brought Earley the award. The story revolves around the misdeeds of a supply officer who tries to get some formal education rather quickly. Earley played the lead in the comedy hit.

His versatility ranges from Shakespearean roles to comedies to murder mysteries . . . and a list of his credits with the Playhouse reads like a roster from the annals of the theatre.

Many drama critics contest that comedies are the true test of abilities as an actor. Anyone can play tragedy, they claim, but it takes an artist to do comedy.

Earley, Instrument Engineering, despite his busy hobby as an actor . . . also finds time to teach

in an adult education program! Congratulations, actor Earley!

(EDITOR'S NOTE: Our knowledge of the theatre is limited to an eighth-grade production of *Miles Standish* in which we appeared in a great-great uncle's Civil War blue uniform. But we have one quibble with the Playhouse. If they consider *Virginia White, Art Dworkin*, former Y-12er *Don Cowen*, many others as well as Earley, amateurs we'd like to see some pros in action!)

20 Years Ago!

It happened 20 years ago! Briscoe Ivy and Katherine Miller went three months without missing a day's work. The regulation stating that wives could not drive husbands to work was lifted. Wimpy Hilton suffered a knee injury which removed him as a threat in the Baseball League. Knoxville banks announced they would remain open until 7 p.m. on Fridays.

POPULATION GAINS

In the past three hundred years the population of the world has grown more than four times its size since 1660.